

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** December 22, 2004

**Inspector:** Chuck Gidman

**Location:** Norwalk Substation Expansion

**Storm/  
Rain Event** The area received only traces of precipitation since the last inspection with the most significant being about 0.13" on 12/19/04.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> <li>-The inlet near the Route 7 ramp was enclosed in silt fence to filter incoming storm water. 12/16-12/22/04</li> <li>- The ditch along the perimeter fence still has some minor gullies but the ground is now frozen. 12/16-12/22/04</li> </ul>	<ul style="list-style-type: none"> <li>-A hay bale could be placed at the pipe to prevent adjacent silt from entering the inlet if it does not hinder drainage. 12/22/04</li> <li>- The earthen swale should continue to be monitored for effectiveness and may require additional stabilization in the future. At this time, the ground is frozen.12/16-12/22/04</li> </ul>
Foundation construction	- Work now involves forming and pouring the footings for the GIS building. Material has been stock piled but is well within the site and is contained by wall 2. 12/22/04	- None at this time. 12/22/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The silt fence remains as necessary at the ends of the overflow channel where vegetative has not fully established. 12/16-12/22/04	- Continue to be proactive in silt fence repair and maintenance where needed.
	- Recent cold temperatures, frost, and snow, will most likely inhibit much further growth of the hydroseed this season. 12/22/04	- Continue to monitor the area for sufficient cover and stabilization. 12/22/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	-The overflow channel continues to work well as the water remains free of sediment and further erosion has not occurred in this area. 12/02-12/22/04.	- None at this time. 12/22/04
	- The flared inlet near the Rt 7 ramp has been enclosed in silt fence to help filter stormwater runoff. 12/16-12/22/04	- Continue to monitor for effectiveness. 12/16/04 - A hay bale could be placed at the pipe to prevent adjacent silt from entering the inlet if it does not hinder drainage. 12/22/04
	- Some gullies remain on the slopes of the ditch along the perimeter fence and Rt 7 ramp, but the ground is now frozen and currently stabilized. 12/22/04	- Monitor the swale for effectiveness during rain events and determine whether further stabilization is necessary. 12/16/04-12/22/04
	-Winter frost has set in and except for occasional thawing areas should remain fairly stable until Spring.12/22/04	-Continue to monitor. In the Spring the situation should be evaluated as additional seeding may be necessary. 12/22/04
Inland Wetland and Watercourse encroachment and mitigation	- Silt fence has been removed from most areas along the wetland/river side of the channel as the area is stabilized. 12/16/04	-None at this time. Continue to monitor. 12/16/04-12/22/04
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-Some plantings along the channel were flagged for damage to see how they survive the winter. 11/18/04	- The plantings will be evaluated for any permanent damage in the spring and hydroseed was placed as ground cover here. 11/18/04
Dewatering	- Dewatering activities are complete at this time.	-No actions required at this time.
Blasting	- No blasting is occurring on site at this time and it is not	- None at this time.

Areas of Inspection	Observation	Recommended Action
	anticipated to be necessary.	
Spills and Material Storage	<ul style="list-style-type: none"> <li>- There were no spills reported during the week or observed during inspection. 12/22/04</li> <li>- The affected soil from the minor equipment drips last week had been picked up and disposed of and the problem was not observed during this inspection. 12/22/04</li> </ul>	<ul style="list-style-type: none"> <li>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area</li> <li>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</li> <li>- Report spills to the office immediately, even if they are being controlled.</li> </ul>
Additional Observations	<ul style="list-style-type: none"> <li>- As previously noted, construction activities are ongoing on the bridge on Broad Street to the north. 9/10-12/22/04</li> <li>- The island or bank on which the bridge footing was located is mostly bare of vegetation but has erosion control.</li> </ul>	<ul style="list-style-type: none"> <li>- The work is unrelated to the Norwalk substation but should be noted as it is occurring in the adjacent area and could be a potential off-site sedimentation source. 9/10-12/22/04</li> </ul>

**Next likely scheduled inspection:**

Thursday, December 30, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Chuck Gidman

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**Date:** December 22, 2004

**Inspector:** Chuck Gidman

**Location:** Plumtree Substation Expansion , Bethel

**Storm/  
Rain Event** The area received only traces of precipitation since the last inspection with the most significant being about 0.13" on 12/19/04.

<b>Areas of Inspection</b>	<b>Observation</b>	<b>Recommended Action</b>
Access Roads	- No new access roads have been constructed at this time 12/22/04	- None at this time. 12/22/04
Foundation construction	-The major work of placing equipment on the recently constructed slab is ongoing. This involves almost no soil disturbance. 11/04-12/22/04  - Some excavation is ongoing as the concrete cable trenches and equipment are being installed at the edge of the concrete pad. 12/16-12/22/04	- The areas are still well contained at this time. A trench is planned for an area closer to the perimeter fence where the berm is not as sizeable. From the gradient and proposed construction, it does not appear this will be an issue but it will be monitored and the berm will be re-inforced if necessary. 12/16/04-12/22/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The site did not show any evidence of any runoff or soil migration from the site. Site conditions are frozen and temporarily stabilized as frost has set in. 12/22/04	- None at this time 12/22/04
	- There is no silt fence in place at this time, however major stockpiles are covered in plastic following the end of each work day. 9/16-12/22/04	-All areas are well-contained and there is no sedimentation near any off site areas. 12/22/04

Areas of Inspection	Observation	Recommended Action
	<ul style="list-style-type: none"> <li>- The stone perimeter berm is well in place and contains the yard. It effectively prevents any turbid water from leaving the site. 12/22/04</li> </ul>	<ul style="list-style-type: none"> <li>- The berm is working well at this time. Continue to monitor for any trouble spots. Also, consider reinforcing the berm in low spots should work activities approach. 12/22/04</li> </ul>
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> <li>- Wetlands are located around the outskirts of the substation yard. Work is fairly close to the perimeter fence but there is no noted sedimentation to the wetland area. 9/10-12/22/04</li> </ul>	<ul style="list-style-type: none"> <li>- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 9/23-12/22/04</li> </ul>
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> <li>- No species of concern are located in this area of construction.</li> </ul>	<ul style="list-style-type: none"> <li>- N/A</li> </ul>
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> <li>- No vegetation outside of the substation yard will need to be cleared during the expansion work.</li> </ul>	<ul style="list-style-type: none"> <li>- N/A</li> </ul>
Dewatering	<ul style="list-style-type: none"> <li>- Dewatering is not necessary on site at this time.12/22/04</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time.</li> </ul>
Blasting	<ul style="list-style-type: none"> <li>- No blasting is occurring on site at this time.</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time.</li> </ul>
Spills and Material Storage	<ul style="list-style-type: none"> <li>- There were no spills reported during the week or noted on site during the inspection. There are few pieces of machinery on site at this time. 12/22/04</li> </ul>	<ul style="list-style-type: none"> <li>- The contractors should remain vigilant about securing and handling fuel containers.</li> <li>- Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</li> <li>- Report spills to the office immediately, even if they are</li> </ul>

Areas of Inspection	Observation	Recommended Action
		being controlled.
Additional Observations		

**Next likely scheduled  
inspection:**

Thursday, December 30, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Chuck Gidman



View of the excavation and construction of the footings of the GIS building. All soil is well contained within the site. 12/22/04



View of the forms being set for the GIS building. 12/22/04



View of the ditch along the perimeter fence. Frost has set in and the slopes are more stable for now, however, establishment of vegetative cover for stabilization should be monitored in the spring. 12/22/04



Plumtree Substation: Work continues on minor excavation/installation of cable trenches adjacent to the concrete slab. 12/22/04



The yard is partially frozen and snow covered. Stockpiles continue to be covered in plastic when not actively in use. 12/22/04